



A RESOURCE ENGINEERING COMPANY

696 VIRGINIA ROAD, CONCORD, MA 01742, (617) 369-8910

1987

File UniFirst

#21

environmental and engineering excellence

ERT Project No. D495-004
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multilevel
wells -

Superfund Records Center

STATE: Wells 96H

REL. NO.: 3.2

OTHER: 549626

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549626

Ms. Barbara Newman
United States Environmental Protection Agency
Region I
JFK Federal Building
Boston, MA 02203-2211

Re: UniFirst Corporation, Woburn, Massachusetts

Dear Barbara:

Enclosed is a summary of method 624 analytical results for ground-water samples taken through August 27, 1987. This summary table contains the latest results from the last sampling round performed on samples taken from Solinst Devices in wells UC7, UC9 and UC10. All of the latest results are reported under the dates August 26 and August 27, 1987. Please call me should you have any questions regarding this table.

Sincerely,

Jeffrey T. Lawson, P.G.
Senior Program Manager

JTL/cjr

Enclosure

cc: David Delaney (w/enclosures)

SUMMARY OF
EPA METHOD 624 ANALYTICAL RESULTS
FOR GROUND-WATER SAMPLES
TAKEN THROUGH AUGUST 27, 1987
FROM SOLINST DEVICES
MICROGRAMS PER LITER (Parts Per Billion)

WELL No.	DEPTH OF PORT ¹	DATE	TETRACHLOR- OETHENE	TRICHLOR- OETHENE	TRANS 1, 2 DICHLOROETHENE	1,1,1 TRICHLOROETHANE	1,1 DICHLOROETHANE	1,1 DICHLOROETHENE	TOLUENE	ACETONE	CARBON TETRACHLORIDE
UC10-1	243	6/8/87	39	8	21	7	ND	ND	6	ND	ND
		6/15/87	ND	10	10	ND	ND	ND	5	87	ND
		8/27/87	490	87	73	15	8.5	3.3	47	ND	ND
UC10-2	227	6/8/87	570	38	44	24	ND	ND	ND	ND	ND
		6/15/87	22	ND	20	ND	ND	ND	6	110	ND
		8/26/87	4,200	160	93	ND	ND	ND	130	ND	ND
UC10-3	181	6/8/87	NOT SAMPLED ³	-	-	-	-	-	-	-	-
		6/15/87	32	ND	14	ND	ND	ND	7	ND	ND
		8/26/87	1,600	ND	ND	ND	ND	ND	120	ND	ND
UC10-4	158	6/8/87	480	31	24	ND	ND	ND	245	ND	ND
		6/15/87	2,300	ND	ND	ND	ND	ND	140	ND	ND
		8/26/87	5,500	130	ND	ND	ND	ND	130	ND	ND
UC10-5	129	6/8/87	760	ND	ND	ND	ND	ND	ND	ND	ND
		6/15/87	880	40	27	ND	ND	ND	25	ND	ND
		8/26/87	290	ND	ND	ND	ND	ND	49	ND	ND
UC10-6	93	6/8/76	1,400	86	48	32	8	ND	16	ND	ND
		6/15/87	54	ND	ND	ND	ND	ND	7	72	ND
		8/26/87	74	3.8	ND	ND	ND	ND	13	ND	ND
UC9-1	238	6/15/87	7	ND	ND	ND	ND	ND	ND	ND	ND
		8/27/87	110	4.0	3.6	5.0	ND	ND	ND	ND	ND
UC9-2	181	6/15/87	520	29	ND	ND	ND	ND	ND	ND	ND
		8/26/87	300	14	ND	ND	ND	ND	74	ND	ND
UC9-3	149	6/15/87	40	ND	ND	ND	ND	ND	6	ND	ND
		8/26/87	490	ND	ND	15	ND	ND	18	ND	ND
UC9-4	112	6/15/87	2,500	ND	ND	ND	ND	ND	ND	ND	ND
		8/26/87	1,300	ND	24	60	ND	ND	ND	ND	ND
UC9-5	60	6/15/87	Not Sampled ³								
		8/26/87	Not Sampled ³								
UC9-6	37	6/15/87	ND	ND	ND	ND	ND	ND	ND	ND	ND
		8/26/87	ND	ND	ND	ND	ND	ND	ND	ND	ND
		8/26/87 ²	ND	ND	ND	ND	ND	ND	ND	ND	ND

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WELL No.	DEPTH OF PORT ¹	DATE	TETRACHLOR- OETHENE	TRICHLOR- OETHENE	TRANS 1, 2 DICHLOROETHENE	1,1,1 TRICHLOROETHANE	1,1 DICHLOROETHANE	1,1 DICHLOROETHENE	TOLUENE	ACETONE	CARBON TETRACHLORIDE
UC7-1	138	2/3/87	7,100	110	64	420	25	ND	ND	ND	54
		8/26/87	6,900	89	170	560	ND	ND	ND	ND	ND
UC7-2	104	2/3/87	17,000	200	170	1,600	320	120	54	ND	230
		8/26/87	17,000	180	700	1,700	380	90	ND	ND	ND
		8/26/87 ²	13,000	140	600	1,400	370	ND	ND	ND	ND
UC7-3	76	2/3/87	7,600	550	150	140	410	150	78	ND	20
		8/26/87	6,700	200	85	150	390	71	30	ND	ND
UC7-4	41	2/3/87	820	21	56	110	ND	ND	ND	ND	15
		8/26/87	3,800	99	82	280	140	40	8.7	ND	ND
UC7-5	15	2/3/87	820	100	59	21	11	ND	85	ND	ND
		8/26/87	95	4.1	2.3	3.0	2.2	ND	110	ND	ND

Notes:

1. Sampling port depths are given in feet below ground surface. The depths are rounded off to the nearest whole foot.
2. Duplicate sample analyzed for quality control.
3. Port was not sampled because drive-gas (Nitrogen) leaks in the system prevented obtaining a sample.
4. The field and shipping blanks for June 8 and 15 and August 26 and 27, 1987 contained no detectable concentrations of volatile organic compounds. The field blank and several samples taken on February 3, 1987 contained methylene chloride. The shipping blank prepared on February 2, 1987 and that accompanied the February 3, 1987 sample vials contained no detectable concentrations of volatile organic compounds.
5. The detection limits vary substantially among the parameters analyzed for and the samples. Refer to the laboratory data sheets for specific detection limits.

ND - Not Detected